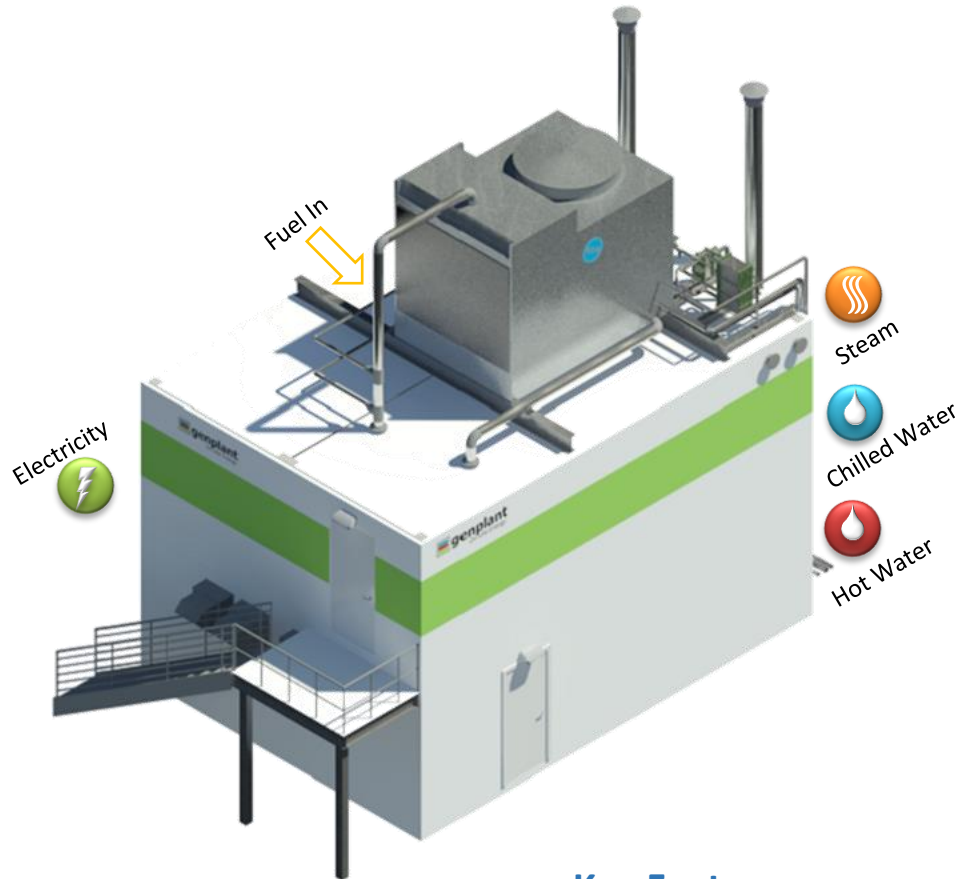


GENc™ Commercial Series

Combined Heat and Power (CHP) Plants

500kW – 3,000 kW

Natural gas, Propane, Biogas
400V, 50 Hz and 480V 60 Hz





Key Features

- ❑ Low CAPEX and OPEX Cost with 5 year warranty
- ❑ Easy to Install and Operate
- ❑ Pre-designed and Manufactured
- ❑ Pre-commissioned and tested modular design
- ❑ Installed and commissioned in less than 2 weeks
- ❑ Guaranteed performance
- ❑ Quiet Operation (<65 dBA at 10 feet)

The GENc™ Commercial Series is a fully modular, complete combined heat and power (CHP) based on multiple gensets that produces electricity, hot water, steam and/or chilled water for on-site customer use. The GENc™ Commercial Series CHP plants are extremely efficient and can achieve total efficiencies of 90% when operating on natural gas or propane. The R.Schmitt ENERTEC gas gensets that power the GENc™ Commercial Series CHP plant solution deliver the on-site energy required in a compact footprint with an extremely high level of reliability. The GENc™ Commercial Series CHP plants are constructed industry leading components and is built to last with an expected useful life of 20+ years.

GENc™ Commercial Series CHP plants can be architecturally enhanced to blend in to the facility environment.

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 **genplant**
On-site Energy

GENc™ Commercial Series

1,000kW – 3,000 kW

Natural gas, Propane, Biogas

400V, 50 Hz and 480V 60 Hz

Combined Heat and Power (CHP) Plants



GENc™ Commercial Series

NATURAL GAS

Model	Version	Fuel		Electric			Hot Water			Steam			Chilled Water*			EFF _e	EFF _{th}	EFF _{total}	Heat Rate
		mmbtu/hr	gal/hr	kW	V	Freq	mmbtu/hr	gpm	°F	mmbtu/hr	psi	#/hr	TR	gpm	°F	%	%	%	btu/kWe
2500	GEN	9.096	109.6	1000	480	60										37.5%	0	37.5%	9,096
	GEN+						2.204	254	194	2.087	50	1,770	138	276	44	37.5%	47.2%	84.7%	9,096
	CHP						4.436	254	194				278	556	44	37.5%	48.8%	86.3%	9,096
3500	GEN	13.645	164.4	1500	480	60										37.5%	0	37.5%	9,096
	GEN+						3.306	381	194	3.130	50	2,655	207	414	44	37.5%	47.2%	84.7%	9,096
	CHP						6.653	381	194				417	834	44	37.5%	48.8%	86.3%	9,096
4500	GEN	18.193	219.2	2000	480	60										37.5%	0	37.5%	9,096
	GEN+						4.408	509	194	4.174	50	3,540	276	553	44	37.5%	47.2%	84.7%	9,096
	CHP						8.871	509	194				556	1112	44	37.5%	48.8%	86.3%	9,096
5500	GEN	22.741	274.0	2500	480	60										37.5%	0	37.5%	9,096
	GEN+						5.510	636	194	5.217	50	4,425	345	691	44	37.5%	47.2%	84.7%	9,096
	CHP						11.089	636	194				695	1390	44	37.5%	48.8%	86.3%	9,096
6500	GEN	27.289	328.8	3000	480	60										37.5%	0	37.5%	9,096
	GEN+						6.612	763	194	6.261	50	5,310	414	829	44	37.5%	47.2%	84.7%	9,096
	CHP						13.307	763	194				834	1668	44	37.5%	48.8%	86.3%	9,096

PROPANE

Model	Version	Fuel		Electric			Hot Water			Steam			Chilled Water*			EFF _e	EFF _{th}	EFF _{total}	Heat Rate
		mmbtu/hr	gal/hr	kW	V	Freq	mmbtu/hr	gpm	°F	mmbtu/hr	psi	#/hr	TR	gpm	°F	%	%	%	btu/kWe
2450	GEN	8.898	97.3	900	480	60										34.5%	0	34.5%	9,887
	GEN+						2.463	265	194	2.017	50	1,710	154	309	44	34.5%	50.3%	84.9%	9,887
	CHP						4.620	265	194				290	579	44	34.5%	51.9%	86.4%	9,887
3450	GEN	13.348	145.9	1350	480	60										34.5%	0	34.5%	9,887
	GEN+						3.695	397	194	3.025	50	2,566	232	463	44	34.5%	50.3%	84.9%	9,887
	CHP						6.930	397	194				434	869	44	34.5%	51.9%	86.4%	9,887
4450	GEN	17.797	194.5	1800	480	60										34.5%	0	34.5%	9,887
	GEN+						4.927	530	194	4.033	50	3,421	309	618	44	34.5%	50.3%	84.9%	9,887
	CHP						9.240	530	194				579	1158	44	34.5%	51.9%	86.4%	9,887
5450	GEN	22.246	243.1	2250	480	60										34.5%	0	34.5%	9,887
	GEN+						6.159	662	194	5.042	50	4,276	386	772	44	34.5%	50.3%	84.9%	9,887
	CHP						11.550	662	194				724	1448	44	34.5%	51.9%	86.4%	9,887
6450	GEN	26.695	291.8	2700	480	60										34.5%	0	34.5%	9,887
	GEN+						7.390	795	194	6.050	50	5,131	463	926	44	34.5%	50.3%	84.9%	9,887
	CHP						13.860	795	194				869	1737	44	34.5%	51.9%	86.4%	9,887

*Based on 100% utilization of Hot Water



About Us

Genplant delivers on-site energy services and energy plant solutions that reduce on-site energy cost, improve reliability, and reduce environmental footprint.

Genplant follows a customer driven, consultative approach that integrates our customers, our strategic partners, our templated energy plant solutions, and our energy system design and delivery experience to achieve the optimum solution that reduces overall energy costs and insures sustainable energy supply.

We deliver value by providing on-site energy system expertise that when integrated with customer-centric services and innovative solutions lead to lower energy costs, higher energy efficiency and long-term sustainability.

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